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## INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/31831

**A. CLASSIFICATION OF SUBJECT MATTER**

IPC(7) : C07K 1/00; G01N 33/53  
US CL : 530/402; 435/7.1, 7.9

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
U.S. : 530/402; 435/7.1, 7.9

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
Please See Continuation Sheet

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6,492,143 B1 (REED et al) 10 December 2002 (10.12.2002), see entire document.	1-5, 14-17, 19, 22
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Y		6-13, 18, 20, 21
X	US 2002/0160424 A1 (ADLER et al) 31 October 2002 (31.10.2002), see entire document.	1, 2, 4
—		-----
Y	HARLOW AND LANE. Antibodies A LABORATORY MANUAL. 1988, Cold Spring Harbor Laboratory, USA, pages 518-520, 542, 547-550, 600-604, see entire reference pages.	3, 5-22
		1-22

<input type="checkbox"/> Further documents are listed in the continuation of Box C.	<input type="checkbox"/> See patent family annex.
* Special categories of cited documents:	"T"
"A" document defining the general state of the art which is not considered to be of particular relevance	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"E" earlier application or patent published on or after the international filing date	"X"
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y"
"O" document referring to an oral disclosure, use, exhibition or other means	document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is taken alone
"P" document published prior to the international filing date but later than the priority date claimed	"&"
Date of the actual completion of the international search	Date of mailing of the international search report
24 June 2005 (24.06.2005)	21 JUL 2005
Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (703) 305-3230	Authorized officer Marianne DiBrino, Ph.D. Telephone No. 571-272-1600

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Continuation of B. FIELDS SEARCHED Item 3:  
WEST 2.2.2, STN(EMBASE, BIOSIS, MEDLINE, CAPLUS, SCISEARCH, PROMT, BIOBUSINESS)  
search terms: Inventors' names, rhodopsin, G-protein, tag, amino terminus